

BREZHNEV, D. D., ALEKSANDROV, S. V.

Tomatoes

New system of seed culture for hothouse varieties of tomatoes and cucumbers. Sad i og. no. 7, 1952.

9. Monthly List of Russian Accessions. Library of Congress, _____ 1953, Unclassified.

1. BREZHNEV, D. D.; KAZAKOVA, A. A.
2. USSR 600
4. Onions
7. Green onions throughout the year, Dost. sel'khoz, No. 12, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

cc:cr

11241* Influence of Fertilizer on Yield and Chemical Composition of Tomatoes. (Russian.) D. D. Brezhnev and G. V. Boss. *Selkhoz i Semenovodstvo*, v. 19, "APR." 1952, p. 54-60.

Numerous tests and observations confirm the increase of yield and quality of tomatoes due to adding fertilizers, especially mineral-organic granulated types. Data are tabulated.

BREZHNEV, D. D.

N/5
631.31
.B8

Novoye v selektsii rasteniy (Innovations in the selection of plants, by) D. D. Brezhnev i Ya. S. Ayzenshtat. Moskva, Sel'khozgiz, 1954.

144 p. illus., tables.

Bibliography: p. 141-144.

ALEKSANDROV, Sergey Vasil'yevich, kandidat sel'skokhozyaystvennykh nauk;
BELYAYEV, Anton Semenovich; VASIL'YEV, Vasiliy Iuk'yanovich, kandidat
sel'skokhozyaystvennykh nauk; KAZAKOVA, Antonina Alekseyevna, kandidat
sel'skokhozyaystvennykh nauk; KAMERAZ, Abram Yakovlevich, kandidat
sel'skokhozyaystvennykh nauk; SECHKAREV, Boris Ivanovich, kandidat
sel'skokhozyaystvennykh nauk; BREZHNEV, D.D., professor, doktor
sel'skokhozyaystvennykh nauk, redaktor; PETROV, N.P., redaktor;
CHUNAYEVA, Z.V., tekhnicheskiy redaktor

[Vegetable gardening] Ovoshchovedstvo. Pod red. D.D. Brezhneva. Moskva,
Gos. izd-vo selkhoz. lit-ry, 1956. 472 p. (MIRA 9:12)
(Vegetable gardening)

USSR/Cultivated Plants. Potatoes. Vegetables. Melons.

M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20349.

Author : D.D. Brezhnev

Inst : Not given.

Title : History of the Distribution and Introduction into Cultivation of Tomatoes in Russia. (Istoriya rasprostraneniya i vvedeniya v kul'turu tomatov v Rossii).

Orig Pub: Materialy po istorii zemledeliya SSSR. Sb. 2, M.-L., AN SSSR, 1956, 511-560.

Abstract: Information is presented on the introduction of tomatoes into cultivation in the various regions of European Russia, Siberia and Central Asia based on research in archive sources and general writings. The first mention of tomatoes in Russia is encountered in 1780. In the 80's and 90's of the Eighteenth Century tomatoes were esteemed

Card : 1/2

USSR/Cultivated Plants. Potatoes. Vegetables. Melons.

M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20349.

as food in the Crimea, Georgia and Astrakhan, and by the middle of the Nineteenth Century tomatoes became a commodity crop in the south of Russia. By the end of the Nineteenth Century tomatoes had become known in the north and east of our country. The methods used in cultivation and the agrotechny of this crop are described. The bibliography has 214 listings.

Card : 2/2

Brezhnev, D. D.

THE ROLE OF ENVIRONMENT ON THE FORMATION OF INDIVIDUAL PROPERTIES AND CHARACTERISTIC FEATURES IN TOMATOES. D. D. Brezhnev, Doklady Vsesoyuz. Akad. Sel'skokhoz. Nauk im. V. I. Lenina 21, No. 1, 16-19(1956). Forty varieties of tomatoes were tested for a period of 10 years in widely different climatic regions, from the polar regions down to the almost subtropical Crimea and arid Turkestan. It is shown that each variety responds in its own way to environment. The compn., total solids, sugars, acidity, and vitamins, vary drastically with some varieties, less with others, and none with still others.

J. S. Joffe

MD

(2)

Brezhnev, D.D.

USSR/General Division. History. Classics. Personalities. A-2

Abs Jour : Ref Zhur-Biologiya, No 2, 1958, 4648

Author : D. D. Brezhnev, A. I. Ivanovskiy, T. V. Lizgunova and Others

Inst Title : In Memory of V. L. Vasil'yev

Orig Pub : Sad i ogorod, 1957, No 5, 75

Abstract : Obituary of Vasiliy Luk'yanovich Vasil'yev, one of the oldest vegetable growers in the country (1884-1957) who had worked on problems of vegetable growing, variety of vegetable crops and vegetable seeds. A number of works by Vasil'yev were devoted to problems on vegetable growing in the far North

Card 1/1

D.
LOBANOV, P.; BREZHNEV, D.; OL'SHANSKIY, M.; LYSENKO, T.; LISAVENKO, M.;
SINYAGIN, I.; YAKUSHKIN, I.; PREZENT, I.; VARUNTSYAN, I.; KOLESNIKOV,
V.; YEVETUSHENKO, A.; ZASYADNIKOV, T.; ALISOV, M.; UTEKHIN, A.;
GORSHKOV, I.; BELOKHONOV, I.; VIDENIN, K.; KARPOV, G.; CHERNENKO, S.;
BAKHAREV, A.; TIKHONOVA, A.; KUZ'MIN, A.; BOZULIN, G.; TOLMACHEV, I.;
LYSYUK, Ye.; KHARITONOVA, Ye.; KUSHNIRENKO, M.; NOVOPAVLOVSKAYA, N.;
ZHIRONKIN, I.; KATSURA, O.; KIRYUKHIN, I.; NIKITIN, B.; TSVETAYEVA, Z.;
ARKHIPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.; LUTKOVA, I.;
TSVETAYEVA, Z.; ARKHIPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.;
LUTKOVA, I.

P.N. IAkovlev; obituary. Agrobiolegiia no.6:119 N-D '57.

(MIRA 10:12)

(IAkovlev, Pavel Nikanorovich, 1898-1957)

USSR /General Division, Scientific Establishments

A-3

Abs Jour: Ref Zhur-Biologija, No 5, 1958, 18861

Author : Brezhnev D D.

Inst : -

Title : The order of Lenin All-Union Academy of Agricultural Sciences imeni V. I. Lenin

Orig Pub: Vestn. s.-kh. nauki, 1957, No 7, 13-26

Abstract: No abstract

Card 1/1

BREZHNEV, D. D.

BREZHNEV, D.D., akademik.

Let's take a look at tomorrow; a discussion with Academician D.D.
Brezhnev. IUn.nat. no.11:3-7 N '57. (MIRA 10:10)

1.Pervyy vitse-prezident Vsesoyuznoy sel'skokhozyaystvennoy
akademii im. V.I. Lenina.
(Agricultural research)

BREZHNEV, D.D., akademik

Variations in the anatomical structure of tomato plants induced
by growing conditions. Trudy po prikl. bot., gen. i sel. 30
no. 3:189-196 '57. (MIRA 11:7)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. Lenina.
(Tomatoes)
(Leaves--Morphology)
(Botany--Ecology)

M-3

USSR/Cultivated Plants - Potatoes. Vegetables. Melons.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29804

Author : Brezhnev, D.D.

Inst : The All-Union Institute for Plant Cultivation.

Title : The Evolution of Tomatoes.

Orig Pub : Tr. po prikl. botan., genet. i selektsii, 1957, 31, № 2,
13-17.

Abstract : An extended study of the tomato collection of the All-Union Institute for Plant Cultivation has made it possible for the author to substantiate a number of suppositions made about the problem of the evolution of the genus Lycopersicon Tourn. The branching off of this genus from Solanum occurred comparatively recently. Two branches separated from the common progenitor, one of these giving rise to L. esculentum Mill. (a species, yielding edible

Card 1/3

BEREZHNEV, D.D., akademik, red.; TAIROVA, V.N., red.; BALLOD, A.I., tekhn.
red.

[Growing tomatoes] Kul'tura tomatov v stranakh narodnoi demokratii.
Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 187 p. (MIRA 11:8)

I.. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh
naук imeni V.I. Lenina (for Berezhnev).
(Tomatoes)

BREZHNEV, Dmitriy Danilovich; MINKEVICH, Ivan Alekseyevich; RUMYANTSEV,
A.T., red.; SOKOLOVA, N.N., tekhn.red.

[Principal achievements in agriculture in the U.S.S.R.]
Osnovnye dostizheniya sel'skokhoziaistvennoi nauki v SSSR.
Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 195 p. (MIRA 11:12)
(Agriculture)

BREZHNEV, D.D., akademik, prof.; GAZENBUSH, V.L.; KAMERAZ, A.Ya.; MEDVEDEV, P.F.; MIZGIREVA, O.F.; FILOV, A.I.; ZHUKOVSKIY, P.M., akademik, prof., obshchiy red.; LEONT'YEV, V.M., red.; CHUNAYEVA, Z.V., tekhn.red.

[The flora of cultivated plants of the U.S.S.R.] Kul'turnaya flora SSSR. Moskva, Gos.izd-vo sel'khoz.lit-ry. Vol.20. [Vegetable plants of the nightshade family: tomato, eggplant, black nightshade, melon pear, pepper (*Capsicum*), ground cherry, mandragora] Ovoshchnye paslenovye; tomat, baklazhan, chernyi paslen, dynnsia grusha, perets, fizalis, mandragora. 1958. (MIRA 13:3) 531 p.

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina (for Brezhnev, Zhukovskiy).
(Nightshade) (Vegetables)

LOBANOV, P.P., BREZHNEV, D.D., ROSTOVTSEV, N.F., POPOV, I.S., NIKOLAYEV,
A.I., SHMETNEV, S.I., BURLAKOV, N.M., ARZUMANYAN, Ye.A., BARYSHNIKOV,
P.A., BELYAYEV, N.M., BLOMKVIST, M.S., BORISENKO, Ye.Ya., BURDELEV,
T.P., BYCHKOV, N.P., VSYAKIKH, A.S., DAVIDOV, R.B., KUDRYAVTSEV,
P.N., KUSHNER, Kh.F., LEVANTIN, D.L., NOVIKOV, Ye.A., OZEROV, A.V.,
STARTSEV, D.I., SUKHANOV, N.P., SHVABE, A.K., YURMALIAT,
A.P., [Jurmaliatis, A.P.].

In memory of Academician Efim Fedotovich Liskun. Zhivotnovodstvo 20
no. 7:84-85 J1 '58.
(Liskun, Efim Fedotovich, 1873-1958)

LOBANOV, P.P.; BREZHNEV, D.D.; LYSENKO, T.D.; BORKOV, G.A.; OL'SHANSKIY, M.A.;
SINYAGIN, I.I.; ALEXASHIN, V.A.; AVDONIN, N.S.; BEREZOVA, Ye.F.;
SOKOLOV, N.S.; SOTNIKOV, V.P.; SMIRNOV, N.D.; KEDROV-ZIKHMAN, O.K.

Ivan Il'ich Samoilov; obituary. Dokl.Akad.sel'khoz. 23 no.11:
48 '58. (MIRA 11:12)
(Samoilov, Ivan Il'ich, 1900-1958)

BREZHNEV, Dmitriy Danilovich, akademik; KATSNEL'SON, S.M., red.
ATROSHCHENKO, L.Ye., tekhn.red.

[More vegetables and potatoes for the cities; creating a great supply of vegetables and potatoes for large cities and industrial centers] Bol'she ovoshchei i kartofelia gorodam; sozdanie moshchnoi ovoshchko-kartofel'noi bazy vokrug krupnykh gorodov i promyshlennyykh tsentrov. Moskva, Izd-vo "Znanie," 1959. 30 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser. 5. Sel'skoe khoziaistvo, no.6)

(MIRA 12:5)

(Vegetable gardening) (Potatoes)

30(1)

SOV/26-59-4-5/43

AUTHOR: Brezhnev, D.D., Professor, Vice-President (Moscow)

TITLE: Development Prospects for Vegetable and Fruit Growing Industries (Perspektivy razvitiya ovoshchovedstva i plodovodstva)

PERIODICAL: Priroda, 1959, Nr 4, pp 23-32 (USSR)

ABSTRACT: The author outlines the past achievements and future prospects of Soviet vegetable and fruit growing industries, criticizing various shortcomings and quoting many examples. He, for instance, compares the total yield of vegetables in 1953 and 1957 which increased from 5 to 7.5 million tons, the potato harvest from 19 to 29 million tons, fruit and grapes by 50%. Moreover, the author suggests methods of improving the quality and quantity of the yields, e.g. 35 sovkhozes in the Moscow Oblast are to specialize in producing potatoes and vegetables. New industrial centers are to be surrounded by vegetable and fruit growing industries in order to save trans-

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SOV/26-59-4-5/43

Development Prospects for Vegetable and Fruit Growing Industries

portation costs. Furthermore, Soviet scientists proved by experiments that annual pruning of fruit-trees considerably increases their yield capacity. They also established that the phenomenon of the periodicity of fruit yields depends to a large extent on agrotechnical methods. Today scientific research institutes have developed methods securing a satisfactory annual yield. Soviet selectionists have already developed more than 1,500 fruit and berry varieties and are engaged in finding new ones. In this connection, the work done by the Tsentral'naya geneticheskaya laboratoriya (Central Laboratory of Genetics) and the Nauchno-issledovatel'skiy institut sadovodstva im. I.V. Michurina (Scientific Research Institute of Horticulture imeni I.V. Michurin) in Michurinsk is of great importance. Due to the research carried out by the Polyarnaya opytnaya stantsiya VIR (Polar Experi-

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SOV/26-59-4-5/43

Development Prospects for Vegetable and Fruit Growing Industries

mental Station VIR) it is possible to grow vegetables even in polar regions. During the past few years many interesting species have been introduced, e.g. Academician V.I. Edel'shteyn developed a new seeding method for vegetable cultures utilizing protective paper covers; he also suggested a mechanized method of preparing peat-humus pots. Professor V.A. Chesnokov prepared a detailed study on cucumber and tomato culture grown in water solutions of feeding substances. Professor B.S. Moshkov developed the possibility of obtaining ripe tomatoes in a hothouse within 40-45 days by applying electric light. Further mechanization of working processes is of great importance as well. In this connection, the author expresses strong criticism on the insufficient work done, e.g., by the Vsesoyuznyy institut mekhanizatsii (All-Union Institute of Mechanization) and various other institutions. The growing need for vegetables and

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SOV/26-59-4-5/43

Development Prospects for Vegetable and Fruit Growing Industries

fruit will open up new possibilities of also growing rare varieties and utilizing the available conditions to their full extent. Special attention should be paid to protecting the plants from diseases as well as vermins. There are 6 photos.

ASSOCIATION: Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I. Lenina - Moskva (All-Union Academy of Agricultural Sciences imeni V.I. Lenin - Moscow)

Card 4/4

BREZHNEV, D.

Outrunning time. IUn. nat. no.12:2-3 D '59 (MIRA 13:3)

1. Vitse-prezident Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina.
(Agriculture)

BREZHNEV, D.D., akad., red.; VLASYUK, I.A., akad., red.; GUSHCHIN, M.Yu., kand. sel'khoz. nauk, red.; YEVETUSHENKO, A.F., kand. sel'khoz. nauk, red.; KATAR'YAN, T.G., kand. biol. nauk, red.; KOLESNIKOV, V.A., doktor sel'khoz. nauk, red.; LAPIN, V.K., kand. biolog. nauk, red.; RYABOV, I.N., kand. sel'khoz. nauk, red.; ZHILYAKOVA, O., red. izd-va; GLIKMAN, N., red. izd-va; ISUPOVA, N., tekhn. red.

[Development of fruit culture and viticulture in the Crimea]
Razvitiye sadovodstva i vinogradarstva Kryma; trudy plenuma, provedennogo sovmestno s Ukrainskoi akad. sel'skokhoziaistvennykh nauk, 20-24 maia 1958 goda ('Simferopol'). Pod obshchei red. D.D.Brezhneva i I.A.Vlasiuka. 'Simferopol', Krymizdat, 1959. 467 p. (MIRA 15:5)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina. Sektsiya sadovodstva, vinogradarstva i subtropicheskikh kul'tur.

(Crimea--Fruit culture) (Crimea--Viticulture)

BREZHNEV, D_____ D_____, ed.

Sorta ovoshchnykh kul'tur SSSR. Moskva,
Sel'khozgiz, 1960.
536 p. illus., tables.

SKOROPANOV, S.G., glavnnyy red.; BREZHNEV, D.D., red.; LUPINOVICH, I.S., akademik, red.; SINYAGIN, I.I., red.; SOKOLOV, N.S., red.; KHOT'KO, A.I., kand.sel'skokhoz.nauk, red.; SHUL'GA, K.V., red.; SVIRIDOV, V.I., tekhn.red.

[Reclaiming bog and swampy soils of the non-Chernozem zone of the European U.S.S.R.; materials of the joint scientific session, July 8-11, 1958] Osvoenie bolotnykh i zabolochennykh pochv nechernozemnoi zony Evropeiskoi chasti SSSR; materialy ob"edinennoi nauchnoi sessii 8-11 iulius 1958 g. Minsk, Izd-vo Akad.sel'khoz.nauk BSSR, 1960. 258 p. (MIRA 14:4)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina.
2. Chlen-korrespondent AN BSSR (for Skoropanov).
3. Akademiya nauk BSSR i Akademiya sel'skokhozyaystvennykh nauk BSSR (for Lupinovich).

(Reclamation of land) (Peat bogs)

TSITSIN, N.V., akademik, otv.red.; BREZHNEV, D.D., akademik, zamestritel';
otv.red.: GOBYUNOV, D.V., zamestritel' otv.red.; BYLOV, V.N., red.;
GOLOVINSKAYA, K.A., kand.biolog.nauk; red.; KELLI, A.Gh., red.;
LAPIN, P.I., red.; MAKHALIN, M.A., red.; OGOLEVETS, G.S., red.;
FORTUNATOV, I.K., red.izd-va; VASINA-POPOVA, Ye.T., red.izd-va;
GUS'KOVA, O.M., tekhn.red.

[Remote hybridization of plants and animals; problems in fruit
culture, forestry, and animal breeding] Otdalennaia gibridi-
zatsiya rastenii i zhivotnykh; voprosy plodovodstva, lesovedstva
i zhivotnovodstva. Moskva, Izd-vo Akad.nauk SSSR, 1960. 597 p.
(MIRA 13:5)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.
Lenina. 2. Pervyy vits-prezident Vsesoyuznoy akademii sel'sko-
khozyaystvennykh nauk imeni V.I.Lenina (for Brezhnev). 3. Institut
biologicheskoy fiziki Akademii nauk SSSR i Vserossiyskiy nauchno-
issledovatel'skiy institut prudovogo rybnogo khozyaystva, Moskva
(for Golovinskaya).

(Hybridization)

BREZHNEV, Dimitriy Danilevich

Main achievements of agricultural science in the USSR (by) D.D.Brezhnev and I.A.Minkevich (Jerusalem, published for the National Science Foundation, Washington, D.C. and the Department of Agriculture, U.S.A., by the Israel Program for Scientific Translations, 1961.)

119p. Ports.

Added title page in Russian.

Translated from the original Russian: Osnovnyye Dostizheniya sel'skogozyaystvennoy Nauki v SSSR, Moscow, 1958.

BREZHNEV, D.D.

Fresh vegetables all the year round. Priroda 50 no.12:35-40 D
'61. (MIRA 14:12)
(Vegetables)

BREZHNEV, Dmitriy Danilovich, akademik; TAIROVA, V.N., red.; TRUKHINA, O.N.,
tekhn. red.

[Vegetable gardening in the USA] Ovoshchеводство в СССР. Москва,
Изд-во сельскохоз. литературы журналов и плакатов, 1961. 141 p.
(MIRA 14:10)

(United States—Vegetable gardening)

BREZHNEV, Dmitriy Danilovich, akademik; LEONOVA, T.S., red.;
RAKITIN, I.T., tekhn. red.

[Source of health; fresh vegetables in summer and winter]
Rodnik zdrorov'ia; svezhie ovoshchi letom i zimoi. Moskva,
Izd-vo "Znanie," 1963. 29 p. (Novoe v zhizni, nauke, tekhnike.
V Seriia: Sel'skoe khoziaistvo, no.12) (MIRA 16:6)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni
V.I.Lenina (for Brezhnev).

(Vegetables)

BREZHNEV, Dmitriy Danilovich, akademik; BYKOVA, M.G., red.;
TRUKHINA, O.N., tekhn. red.

[Fresh vegetables in summer and winter] Svezhie ovoshchi
letom i zimoi. Moskva, Sel'khozizdat, 1963. 117 p.
(MIRA 16:10)
1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im.
V.I.Lenina (for Brezhnev).

(Vegetables)

BREZHNEV, D.D.

Heterosis in vegetable crops. Priroda 52 no.9:50-55 '63.
(MIRA 16:11)
1. Vsesoyuznyy institut rasteniyevodstva, Leningrad.

BREZHNEV, D. D., akad.

Studies of heterosis in vegetable cultures at the All-Union
Plant Growing Institute, Leningrad. Selskostop nauka [2]
no. 2: 254-261 '63.

BREZHNEV, D. D.

"Classification of the genus Lycopersicon (Tax)."

report submitted for 10th Intl Botanical Cong, Edinburgh, 3-12 Aug 64.

Inst of Plant Industry, Leningrad.

BREZHNEV, D.D., akademik; KAZAKOVA, A.A., kand. sel'skokhoz. nauk

Variability in the characters of onions under the influence of
growing conditions. Dokl. Akad. sel'khoz. nauk no.3:12-15 Mr
'65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut rasteniyevodstva.

BREZHNEV, D.V., assistent

Practice of using twin cameras for surveying open-pit mines.
Izv. vys. ucheb. zav.; gor. zhur. no.11:23-31 1959. (MIRA 14:5)

1. Donetskiy industrial'nyy institut. Rekomendovana kafedroy
marksheyderskogo dela i geodezii.

(Mine surveying—Equipment and supplies)
(Photography, Stereoscopic)

85212

23,5000

S/035/60/000/010/021/021
A001/A001.

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 10,
p. 133, # 10728

AUTHOR: Brezhnev, D. V.

TITLE: The Application of a Flat Mirror to Field Adjustment of a Twin
Camera and Determination of Inner Orientation Elements

PERIODICAL: Tr. Donetsk. industr. in-ta, 1959, Vol. 25, pp. 167-175

TEXT: The author proposes to carry out the verticality checking of a backing frame by means of a flat mirror inserted into the camera in place of a magazine. The vertical setting of the backing frame is brought about by observing the mirror through the sighting tube of the leveling instrument. This method assures the setting of the backing frame into a vertical position to an accuracy of $15''$, which is considerably better than the accuracy of the method of photographing plumbmets, amounting to $2'$. The setting of the backing frames along the normal to the collimation plane is brought about by means of a theodolite, attaining thereby an accuracy of the order of $\pm 30''$. A geometric method is

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S/035/60/000/010/021/021
A001/A001

The Application of a Flat Mirror to Field Adjustment of a Twin Camera and Determination of Inner Orientation Elements

proposed for determining the elements of inner orientation; the method consists in making linear measurements instead of angular ones which are usually employed, and this permits a simplification of calculating the quantities: f_k , δ_x and δ_z .

K. K. Glazenap

Translator's note: This is the full translation of the original Russian abstract. 

Card 2/2

BREZHNEV, D. V., Cand Tech Sci -- (diss) "Mine surveying of open-cut and underground mining operations with coupled cameras." Stalino, 1960. 24 pp; (Ministry of Higher and Secondary Specialist Education USSR, Moscow Mining Inst im I. V. Stalin); 200 copies; price not given; (KL, 23-60, 123)

BREZHEN'Y, D.V., gorn.inzh.-markshoydor

Use of duplex cameras in mine surveying of underground cavities.
Gor.zhur, no.6:63-65 Je '60. (MINA 14:2)

1. Donetskiy industrial'nyy institut, g.Stalino.
(Mine surveying--Equipment and supplies)
(Photography, Stereoscopic--Equipment and supplies)

OGLOBLIN, D.N.; BREZHNEV, D.V.

Possibility of using the OTSH micrometer theodolite in mine
surveying. Ugol' 39 no.6:28-29 Je⁶64 (MIRA 17:7)

1. Donetskiy politekhnicheskiy institut.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3

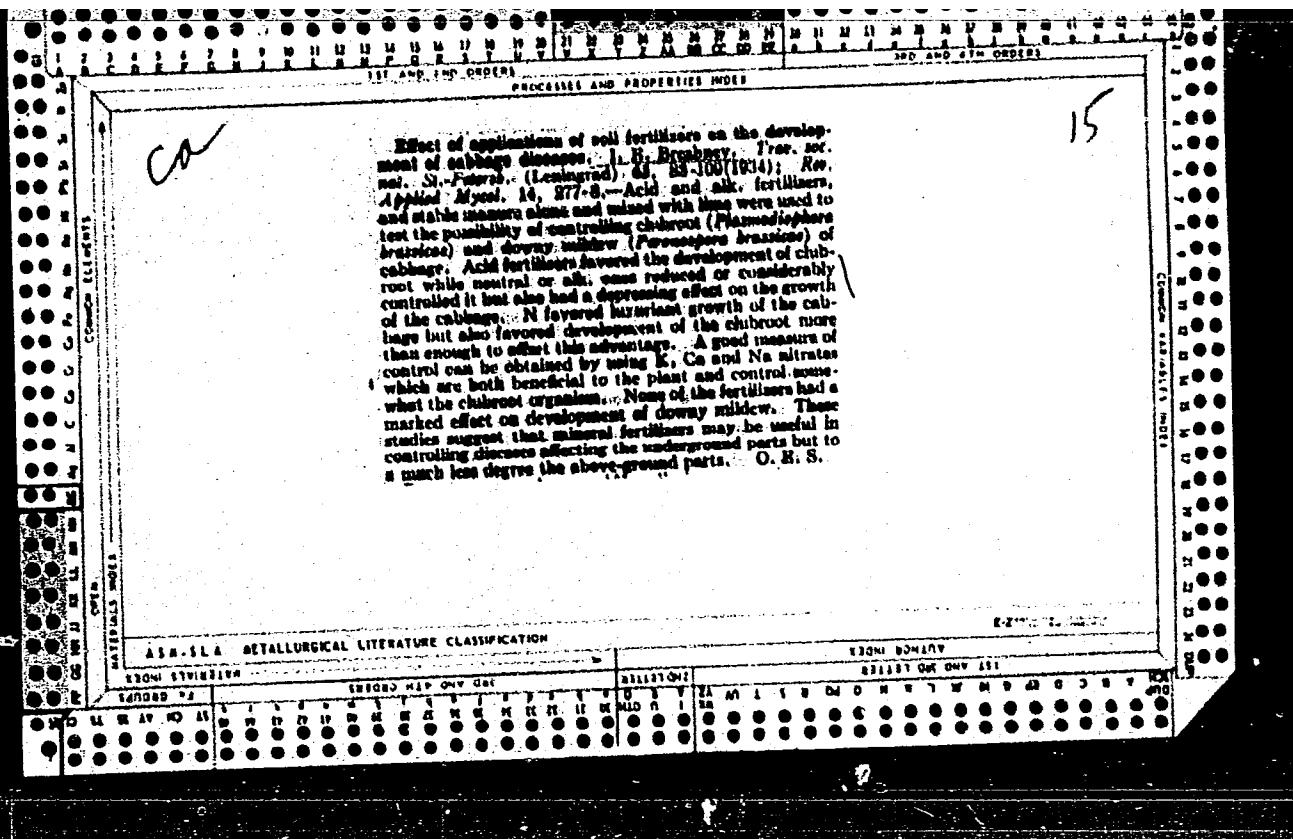
ZAKHAROV, V.F., inzh.; BREZHNEV, F.V., inzh.

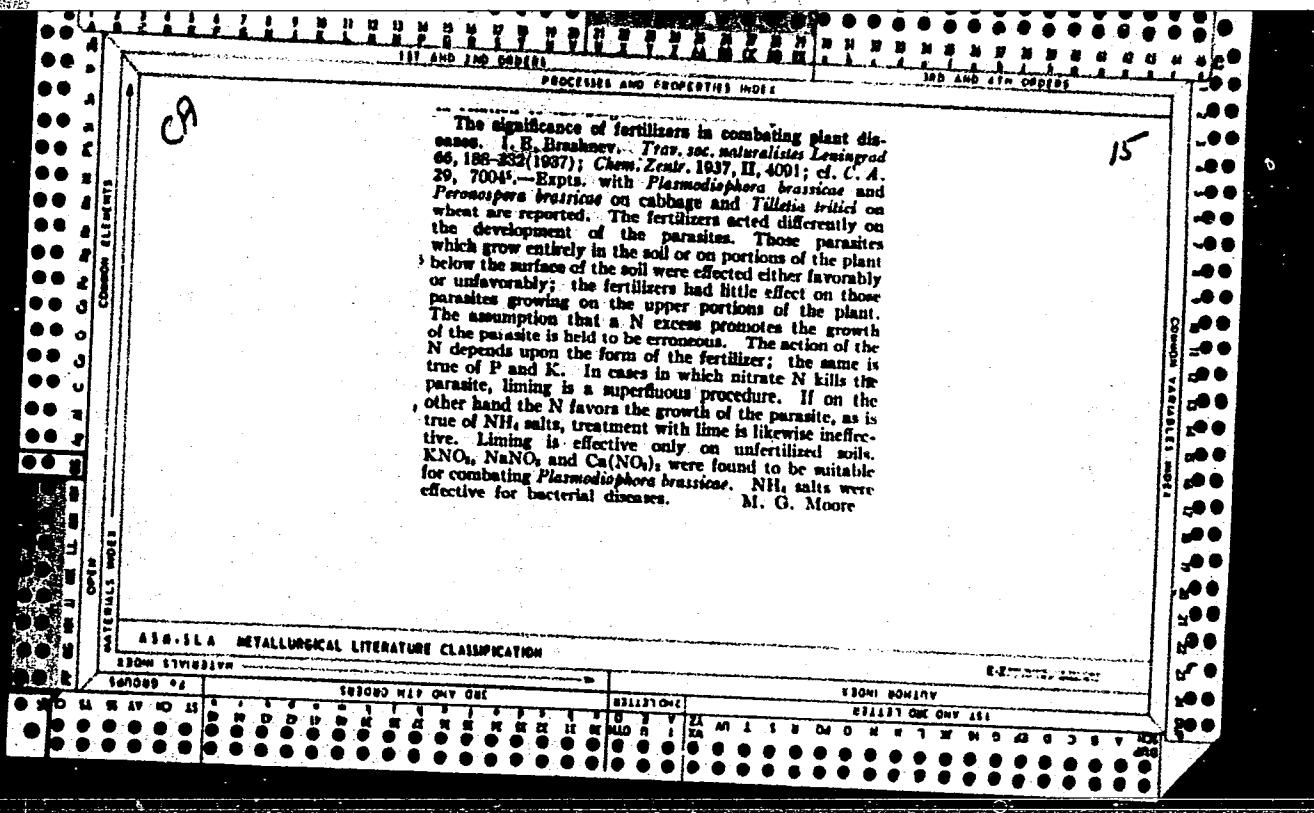
K-2,5-2 pneumatic crane with hydraulic drive. Gor. kholz. Mosk.
37 no.11:34-35 N '63. (MIRA 17:1)

1. Ivanovskiy zavod avtomobil'nykh kranov.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3"





BREZHNEV, I. E.

Parasitic and Saprophytic Microflora of Aboreal and Scrub Species in Forest
Shelter Belts, Uchenye Zapiski Leningradskogo Gisudarstvennogo Ordona
Lenina Universiteta imeni A. A. Zhdanova, Seriya Biologicheskikh Nauk, no. 25,
1950, pp. 70-129. 442.9 1542

SO - SIRA SI 90-53, 15 December 1953

SOKOLOV, N.V., kand. tekhn. nauk; BURKOV, G.G., inzh.; KRASIL'NIKOV,
L.A., inzh.; GOLOMAZOV, V.A., inzh.; BOBYLEV, S.F.; LYSKOV,
I.K.; Prinimali uchastiye: BREZHNEV, I.S.; SHCHETKIN, L.I.;
YERMATSKAYA, A.M.; ANDRIANOVA, A.L.; SILANT'YEV, L.A.;
NADEZHDINA, A.A.; LAKHMOSTOVA, F.S.; DEMENT'YEV, V.F.

Improvement of the processes of manufacturing high-strength,
steel brass plated wire. Stal' 24 no.8:756-759 Ag '64.
(MIRA 17:9)

1. Beloretskiy staleprovolochno-kanatnyy zavod.

BREZHNEV, I.YE.

"Les na Vorskle," an experimental station in a forest-steppe region.
I.YE. Brezhnev
Vest. Len. un. 6, no.11, 1951

BREZHNEV, I.Ye.

Some interesting fungi found in Belgorod Province. Nauch. biul. Len.
un. no.33:36-39 '55. (MLRA 10:4)

1. Kafedra botaniki.
(Belgorod Province--Fungi, Phytopathogenic)

BREZHNEV, I.Ye.

Fungi of the genus Septeria Fries of the "Les na Verskla"
forestry district. Uch.zap.Len.un.no.191:14-69 '55.
(Verskla Valley--Fungi) (MIRA 9:7)

BREZHNEV, I.Ye.

Ustilaginous fungi of the "Les na Vorskla" forestry district.
Uch.zap.Len.um.no.191:70-86 '55. (MIRA 9:7)
(Vorskla Valley--Ustilaginaceae)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3

BREZHNEV, I.Ye.

Biology of the rust fungus *Puccinia Transsacheliana Brezschnov.*
Vest. Len. un. 11 no.15:38-40 '56. (MLRA 9:10)

(UREDINEAE)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3"

BREZHNEV, I.Ye.

Some interesting fungi found in Belgorod Province. Bot.mnt.Otd.
spor.rast. 11:161-164 Ja '56. (MLRA 9:11)
(Belgorod Province--Fungi)

BREZHNEV, I. Ye.

KURSENKO, Lev Ivanovich, professor [deceased]; MIRY, N.A., professor;
KHOKHRYAKOV, M.K., doktor biologicheskikh nauk; V. V. SOKOLOV, kandidat biologicheskikh nauk;
dotsent; SOKOLOV, D.V., dotsent; ZHURAVLEV, I.I., kandidat biologicheskikh nauk;
TSENSHINSKAYA, N.I., redaktor; POPYRADUKHIN, tekhnicheskiy redaktor

[Guide to the lower plants] Opredelitel' nizshikh rastenii; v piati tomakh. Moskva, Gos.izd-vo "Sovetskaisie nauka." Vol.4. [Fungi] Griby. Pod obshchei red. L.I.Kursenova. 1956. 448 p. (MIRA 10:10) (Fungi)

BREZHNEV, I.Ye.

Materials on the ecology of parasitic fungi of the genus Phyllosticta
Pers. in the region of the "Les na Vorskle" Forestry Training
Station. Vest. LGU 16 no. 3:5-23 '61. (MIRA 14:2)
(Borisovka District—Fungi, Phytopathogenic)

BREZHNEV, I.Ye.

Materials on the biology of fungi of the genus Septoria Fries of
the Forestry Training Station "Les na Vorskle" in Belgorod
Province. Vest. LGU 17 no.15:5-15 '62. (MIRA 15:8)
(Belgorod Province--Septoria)

BREZHNEV, I.Ye.; IERAGIMOV, G.R.; POTLAYCHUK, V.I.; BREDIKHIN, A.M.,
PEVZNER, V.I., tekhn. red.; TRUKHINA, O.N., tekhn. red.

[Guid to fungi occurring on the fruit and seeds of trees and
shrubs] Opredelitel' gribov na plodakh i semenakh drevesnykh i
kustarnikovykh porod. Moskva, Sel'khozizdat, 1962. 414 p.
(MIRA 16:1)

(Woody plants—Diseases and pests)
(Fungi, Phytopathogenic)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3

BREZHNEV, I.Ye.

New species of fungi from Belgorod Province. Bot. mat. Otd.
spor. rast. 14:208-214 Ja'61. (MIRA 17:2)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3"

BREZHNEV, I.Ye.

Biology of rust fungi on the "Les na Vorskle" Experimental Forest
Farm of Belgorod Province. Vest. LGU 19 no.15:26-39 '64.
(MIRA 17:11)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3

BREZRNEV, I.Ye.

Biology of parasitic Phycomycetes in the Forestry Training
Station "Les na Vorskla". Vest. LGU 20 no.21:31-43 '65.
(MIRA 18:12)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3"

BREZHNEV, L.; GEORGADZE, M.

Decree of the Presidium of the Supreme Soviet of U.S.S.R. Okhr.truda
1 sots.strakh. 4 no.11:38 N '61. (MIRA 14:12)

1. Predsedatel' Prezidiuma Verkhovnogo Soveta SSSR (for Brezhnev).
2. Sekretar' Prezidiuma Verkhovnogo Soveta SSSR (for Georgadze).
(Employers' liability)

GRECHKIN, N.A.; SICHEVOY, A.P.; BREZHNEV, L.A.

Redesigning some units of the 120 mill at the Dzerzhinskii Plant.
Met. i gornorud. prom. no. 2:36 Mr-Ap '64. (MIRA 17:9)

GRECHKIN, N.A.; SICHEVOY, A.P.; RREZHNIV, I.A.

Three-high 120 mill at the Dzerzhinskii Plant for rolling
round periodic sections. Stal' 24 no. 5:427-429 My '64.
(MIRA 17:12)

1. Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo.

NEFEDOV, A.A.; BREZHNEV, L.A.; SICHEVOY, A.P.; BYSTRIKOV, O.P.;
MIL'MAN, Ye.A.

Studying the deformation of metal transverse helical rolling.
(MIRA 17:12)
Stal' 24 no.5:429-432 My '64.

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz i
Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3

GRECHKIN, N.A.; LAZARENKO, N.I.; SICHEVOY, A.P.; BELIK, V.T.;
BREZHNEV, L.A.

Inoculating rolling mill with addition alloys by electric
sparks. Met. i gornorud. prom. no.2:77-78 Mr-Ap '65.
(MIRA 18:5)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3"

SICHEVOY, A.P.; GAVRILETS, A.S.; BREZHNEV, L.I.

Introducing the operation of the 40-80 mill for rolling balls.
Met. i gornorud. prom. no.3180-81 My-Jo '65.
(MIRA 18:11)

L 38384-66

ACC NR: AN6019762 SOURCE CODE: UR/9008/66/000/152/0002/0003

AUTHOR: Brezhnev, L. I.

ORG: none

TITLE: Speech of L. I. Brezhnev to the graduating classes of the Soviet military academies

SOURCE: Krasnaya zvezda, 02 Jul 66, p. 2, col. 2-7, p. 3, col. 1-7

TOPIC TAGS: military training, political personnel, military personnel

ABSTRACT: Speaking to the graduating classes of the Soviet military academies, L. I. Brezhnev said, among other things, that the USSR was forced to remind [other nations] once again of its military strength and its superiority over the armies of the imperialist governments, not to boast or to frighten anyone, but because such is now the real situation. People who believe in the military superiority of the United States have no conception of the modern weapons now in the possession of the USSR, which acquires new ones each year, making it possible to deter aggressors. Brezhnev added that the USSR strives to

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L 38384-66

ACC NR: AN6019762

keep sufficient military forces in a state of readiness to cope with any emergency. New recruits are now better educated and have broader interests. Most Soviet soldiers and sailors have completed or partially completed their secondary education. Brezhnev also remarked that military schools must maintain close contact with the troops, especially their own graduates. In conclusion, Brezhnev remarked that he was certain that, like their predecessors, this year's graduates would devote all their energies to the cause of strengthening the military might of the Soviet Union, and that "should heavy trials befall their lot," they would carry out their duty honorably. [GC]

SUB CODE: 05,15/ SUBM DATE: none/ ~~sources~~

Card 2/2/64

BREZHNEV, M., inzh.; KNYAZEV, S., inzh.

New 1575 horse power passenger motorship. Rech. transp. 19
no. 2:21-25 F '60. (MIRA 14:5)
(Ships--Equipment and supplies)

BREZHNEV, M., inzh.; KNYAZEV, S., inzh.

New 1575 horsepower passenger motorship; conclusion. Rech.transp. 19
no.3:21-23 Mr '60. (MIRA 14:5)
(Ships—Equipment and supplies)

BREZHNEV, M.; KELIM, B., inzh.

High-speed irreversible engines for inland navigation ships.
Rech.transp 21 no.4:19-23 Ap '62. (MIRA 15:4)

1. Glavnnyy konstruktor TSentral'nogo tekhniko-konstruktorskogo
byuro Ministerstva rechnogo flota.
(Marine diesel engines) (Inland navigation)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3

BREZHNEV, M. N.

BREZHNEV, M.N.: GORSKIY, M.N., redaktor; VOLCHOK, K.M., tekhnicheskiy
redaktor.

[Principal marine engines for inland navigation] Glavnye mekhanizmy sudov vnutrennege plavaniia. Leningrad, Izd-vo Ministerstva morskogo i rechmogo flota SSSR, 1953. 319 p. (MIRA 7:7)
(Marine engines)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3

BREZHNEV, V.A., inzh.; BAZHIN, V.F., inzh.

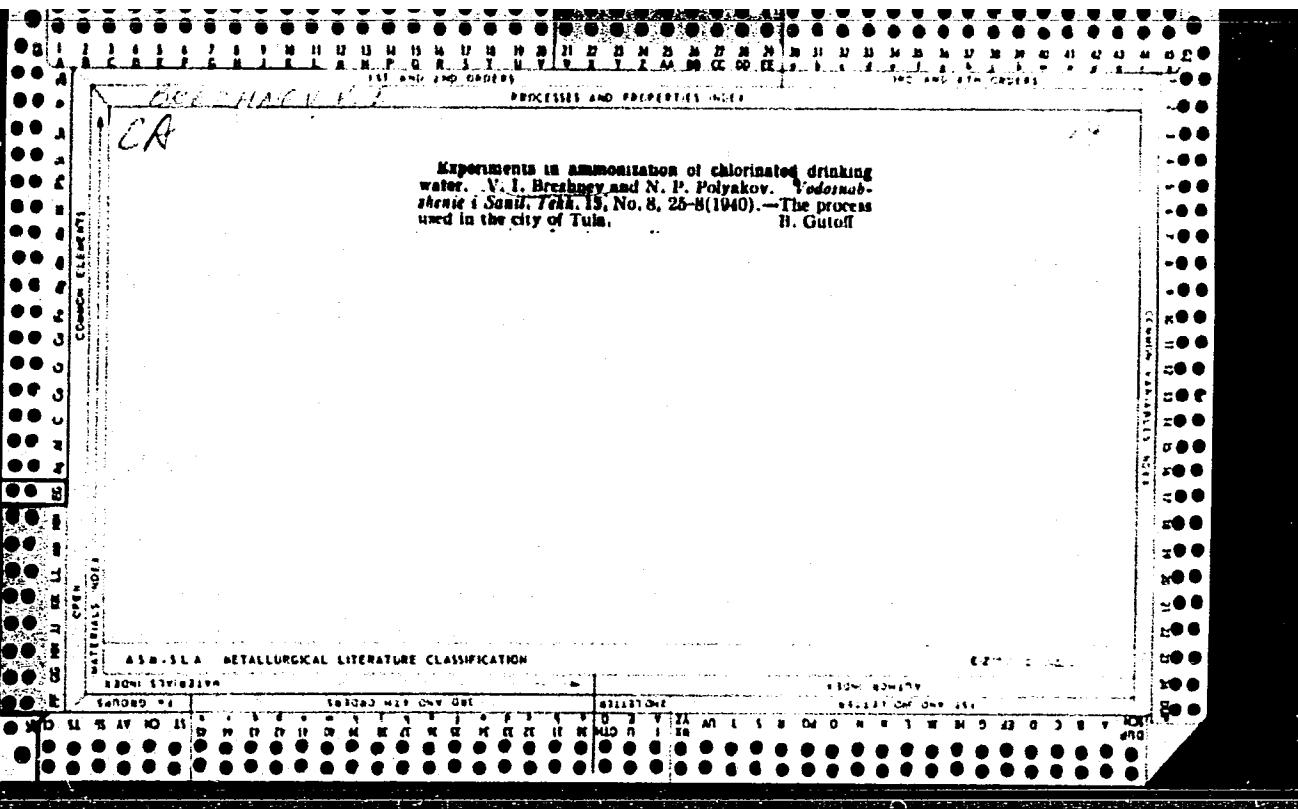
Redesigning of BO-200 water heaters. Energetik 12 no.1:12-13
Ja '64. (MIRA 17:3)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910018-3"

BREZHNEV, V. A., inzh.; BAZHIN, V. F., inzh.

Support collars and protection of the PVD system from overfilling.
Energetik 12 no.4:4 Ap '64. (MIRA 17:7)



PORFIR'YEV, M.M.; ZAYTSEV, S.P.; BREZHNEV, V.I., redaktor; RACHEVSKAYA,
M.I., redaktor; PETROVSKAYA, Ye., tekhnicheskiy redaktor.

[Underground engineering network of a city] Gorodskie inzhenernye
podzemnye seti. Moskva, Izd-vo Ministerstva komunal'nogo
khoziaistva RSFSR, 1955. 148 p. (MLRA 9:1)
(Civil engineering)

BREZHNEV, V. I.

RABINKOV, V. Z.; BREZHNEV, V. I.; RACHEVSKAYA, M. I., red. izd-va; RAKITIN,
I.T., tekhn. red.

[Automatic towerless water pumping station and other water lifting
equipment for sparsely settled spots] Avtomaticheskaiia bezbashen-
naia vodokachka i drugie vodopod'emye ustroistva dlia nebol'shikh
naselenykh punktov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1958.
62 p.

(Water-supply engineering) (Pumping machinery)

BREZHNEV, Viktor Ivanovich, inzh.; SAMSONOV, V.M., red.izd-va; SHLIKHT,
A.A., tekhn.red.

[Disinfection of drinking water in city water-supply systems.]

Obezvarazhivanie pit'evoy vody na gorodskikh vodoprovodakh.

Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1959. 95 p.

(MIRA 13:5)

(Water--Purification)

BREZHNEV, V. I.

Asbestos-cement pipes in city water-supply lines. Vod. i san.
tekh. no.5:8-9 My '60. (NIRA 13:10)
(Pipe, Asbestos-cement) (Water pipes)

BREZHNEV, V.I.; CHERNUS, Yu.K.

The effect of deep underwater sewage disposal on the pollution
of littoral waters in the area of the Sochi health resort.
Gig. i san. 25 no. 12:95-96 D '60. (MIRA 14:2)

1. Iz upravleniya vodoprovodno-kanalizatsionnogo khozyaystva
Ministerstva kommunal'nogo khozyaystva RSFSR i Sochinskoy
sanitarno-epidemiologicheskoy stantsii.
(SOCHI—WATER—POLLUTION)

BREZHNEV, Viktor Ivanovich; RABINKOV, V.Z., red.; RACHEVSKAYA,
M.I., red.izd-va; KHENOKH, F.M., tekhn. red.

[Operation of water-supply system] Ekspluatatsia vodo-
provodnykh setei. Moskva, Izd-vo M-va kommun.khoz.. 1961. 101 p.
(MIR! 15:4)
(Water-supply engineering)

BREZHNEV, Viktor Ivanovich; RABINKOV, V.Z., red.

[Safety engineering and labor protection in water-supply
and sewerage maintenance] Tekhnika bezopasnosti i okhrana
truda v vodoprovodno-kanalizatsionnom khoziaistve. Mo-
skva, Stroizdat, 1964. 101 p. (MIRA 17:11)

BREZHNEV, Viktor Ivanovich; BORODIN, I.V., prof., nauchn.red.;
~~VINOGRADOVA, G.M.~~, red.

[Assembling and repairing water supply equipment] Mon-tazh i remont vodoprovodnykh ustroistv. Moskva, Stroi-izdat, 1964. 127 p. (MIRA 18:1)

ACC NR: AP7002635 (A,N) SOURCE CODE: UR/0413/66/000/023/0185/0185

INVENTOR: Brezhnev, V. M.; Mavrenkov, L. T.

ORG: None

TITLE: A computer for minimizing the structure of logic circuits. Class 42,
No. 177692 [announced by the Military Engineering Academy imeni F. E. Dzerzhinskiy
(Voyennaya inzhenernaya akademiya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 185

TOPIC TAGS: computer, logic circuit, logic design

ABSTRACT: This Author's Certificate introduces a computer for minimizing the structure of logic circuits. The installation contains relay circuits, a neon lamp display panel and toggle switches for data input. The unit is designed for analyzing and synthesizing relay devices on the basis of generalized codes and a convolution operator. The computer contains relay units for setting up generalized codes. These relay units are connected to code display devices and to a digital composition panel through a logic circuit. The logic circuit is connected to the analysis-synthesis selector switch as well as to the switches for input of the working numbers and those for input of the forbidden numbers.

SUB CODE: 09/ SUBM DATE: 16Nov64

Card 1/1

UDC: 681.142

S/033/63/040/002/010/021
E001/E120

AUTHOR: Brezhnev, V.S.

TITLE: On one model of the universe in relativistic
cosmology

PERIODICAL: Astronomicheskiy zhurnal, v.40, no.2, 1963, 280-283

TEXT: Theories of the redshift phenomenon, based on non-static solutions of Einstein's gravitational equations, have an essential difficulty in the appearance of an infinitely high density of matter at the initial instant of time. This difficulty is avoided in models of positive spatial curvature with the cosmological constant $\Delta = 0$. One such model is considered here. The isotropic space is assumed to be filled uniformly with an ultrarelativistic gas consisting of particles with zero rest-mass. Its state is described by the equation:

$$p = \frac{1}{3} \rho c^2 \quad (1)$$

The line-element in non-static models looks as follows:

Card 1/3

On one model of the universe in ... S/033/63/040/002/010/021
E001/E120

$$ds^2 = c^2 d\tau^2 - R^2(\tau) \frac{d\xi^2 + d\eta^2 + d\zeta^2}{\left[1 + \frac{\epsilon}{4} (\xi^2 + \eta^2 + \zeta^2)\right]^2}, \quad \epsilon = 0, \pm 1. \quad (2)$$

This equation and equations of gravitation lead to the expression

$$\dot{R}^2 = \frac{\Delta}{3} R^4 - \epsilon R^2 + a \quad (R = dR/dt) \quad (8)$$

Solutions of Eq.(8) are expressed in terms of Jacobi elliptic functions. One of these, being of physical interest, is:

$$R = \sqrt{\frac{3}{\Delta(1 + k'^2)}} \cdot dn \frac{i(t - t_0)}{\sqrt{1 + k'^2}} \quad (10)$$

where: dnz is Jacobi elliptic function with modulus $k = \sqrt{1 - k'^2}$; t_0 is integration constant. The even function dnz is a double-periodic one. Its minimum value is

$$R_{min} = \sqrt{\frac{3}{\Delta(1 + k'^2)}} \quad \text{at } t = t_0.$$

Card 2/3

On one model of the universe in ... S/033/63/040/002/010/021
E001/E120

The density and pressure of the neutrino-photon gas remain regular at all values of t within the range from t_0 to t_1 . The "Hubble constant" varies with time, attaining a maximum value

$$h_{\max} = c \sqrt{\frac{\Lambda}{3}} \quad \text{at } t = t_1.$$

The R-value grows monotonically with time but remains finite for any finite time value. It means that the universe described by Eq.(2) exists eternally. Another limiting case is considered when isotropic space is uniformly filled with dust-like matter. Then a singularity appears in the density when $R(t) \rightarrow 0$ which has no physical meaning, since in this case $R(t)$ must have a regular minimum and $q(t)$ attains a regular maximum. It is concluded that Friedmann's metric has no physical singularity under these conditions. The role of cosmological constant Λ is emphasised, and it is pointed out that physically acceptable solutions exist only when $\Lambda = 0$.

SUBMITTED: March 24, 1962

Card 3/3

L 22479-65 EWT(1) AFWL/ESD(gs)/ESD(t)
ACCESSION NR: AP5002257

8/0139/64/000/006/0077/0081

AUTHOR: Brezhnev, V. S.

TITLE: General covariant canonical formalism in field theory

SOURCE: IVUZ. Fizika, no. 6, 1964, 77-81

TOPIC TAGS: field theory, general relativity, general covariant representation, energy momentum tensor

ABSTRACT: It is pointed out that although the mathematical apparatus of the general covariant field theory has been thoroughly developed by now, an appreciable shortcoming of modern mathematical field theory is the absence of a general-covariant canonical formalism with space-time symmetry. The author therefore constructs a canonical formalism in general-covariant field theory, in analogy with the Hamiltonian formalism of classical mechanics, without disturbing the symmetry of the time and space coordinates. The equations of the gravitational field are written out in canonical form in the representation of orthogonal tetrads, and the energy-momentum tensor of the gravitational field is constructed.

Card 1/2

L 22479-65

ACCESSION NR: AP5002257

"The author thanks Professor D. D. Ivanenko and docent N. V. Mitskevich for a fruitful discussion and valuable remarks." Orig. art. has: 39 formulas.

ASSOCIATION: Moskovskiy gosuniversitet imeni M. V. Lomonosova (Moscow State University)

SUBMITTED: 27Jun64

ENCL: 00

SUB CODE: GP

MR NEW Sov: 003

OTHER: 003

Card 2/2

BREZHNEV, V. S.

29295. Rentgenodiagnostika petrifikatsiy i ossifikatsiy myagkikh tkaney.
Voprosy onkologii i rentgenologii, No 1-2, 1948, s. 264-75

SO: Izvestiya Ak. Nauk Latviyskoy SSr. No. 9, Sept., 1955

DRAGHMNEV, V.S.

Value of tomography in diagnosis of diseases of facial part of skull
29331 Tsennost' tomografii v diagnostike заболеваний litsevoy chasti cherepa.
Voprosy onkologii i rentgenologii, No. 1-2, 1948, S. 295-308

SO: Letopsi' Zhurnal'nykh Statey, Vol. 39, Moskov, 1949

Name: BREZHNEV, Vladimir Semenovich

Dissertation: The Value of Laminar Roontgenography
in X-ray Diagnosis of Diseases of the
Noso Cavity, the Perinasal Sinuses
and Adjacent Areas

Degree: Doc Med Sci

Affiliation: Ukrainian Roentgeno-Radiological and
Oncological Inst

Defense Date, Place: 29 Nov 55, Council of Khar'kov State
Med Inst

Certification Date: 30 Jun 56

Source: BMVO 5/57

BREZHNEV, V. S.

BREZHNEV, V.S., SHUTILOVA, A.A.

Significance of the small-frame fluorographic method in examination
of the osteoarticular system. Ortop., travm. i protex. 18 no.2:
32-35 Mr-Ap '57.
(MIRA 10:8)

1. Iz Khar'kovskogo instituta meditsinskoy radiologii (dir. -
dotsent Ye.A.Bazlov)
(BONES, radiography
fluorography, small-frame method)
(JOINTS, radiography
same)

BREZHNEV, V.S.

Role of tomography in studying the facial portion of the skull in
normal and pathological states. Stomatologija 37 no.2:18-21
Mr-Ap '58. (MIRA 11:4)

1. Iz Ukrainskogo rentgeno-radiologicheskogo i onkologicheskogo
instituta (dir.-dotsent Ye. A. Bazlov)
(SKULL--RADIOGRAPHY)

L 65184-65 EWT(1) IJP(c)
ACCESSION NR: AP5021270

UR/0020/65/161/005/1110/1111

AUTHOR: Brezhnev, V. S.

TITLE: Motion of a charged particle in the theory of gravitation

SOURCE: AN SSSR, Doklady, v. 163, no. 5, 1965, 1110-1112

TOPIC TAGS: motion equation, gravitation field, charged particle, electromagnetic field

ABSTRACT: In Einstein's gravitational theory, the motion of a material particle is completely determined by the properties of the gravitational field, and the equations of motion are the conditions of integrability of the field equations. The situation is somewhat different with regard to the motion of a charged particle in interacting electromagnetic and gravitational fields. The interaction between electromagnetic and gravitational fields is usually accounted for by introducing an energy-momentum tensor for the electromagnetic field into the right-hand member of Einstein's gravitational equations. This tensor is selected in such a way that equations of motion containing Lorentz force result from the conservation law for the complete energy-momentum tensor of the sources of the gravitational fields. A

Card 1/2

L 65184-65

ACCESSION NR: AP5021270

more systematic method is proposed by the author for formulating gravitational and electromagnetic field equations without the use of particle motion equations. The conditions of consistency of the field equations themselves are such that the motion of material particles is completely determined by the equations of the electromagnetic field, and that the conditions of consistency of the field equations are the equations of motion for the particles. The system of equations consists of 25 equations.

ASSOCIATION: none

SUBMITTED: 12Jan65

ENCL: 00

SUB CODE: SF *NP*

NO REF SOV: 004

OTHER: 001

Card 212416

BAGRAMYAN, Ivan Khristoforovich, Marshal Sovetskogo Soyuza;
BREZHNEV, V.V., red.

[Combat traditions of the Soviet Armed Forces, a powerful
means for the patriotic education of workers] Boevye tra-
ditsii Sovetskikh Vooruzhennykh Sil - moguchee sredstvo
patrioticheskogo vospitaniia trudящихchikhsia. Moskva,
Znanie, 1965. 15 p. (MIRA 18:4)

TYL'KIN, Mikhail Arkad'yevich; BREZHNEV, Ya.I., inzh., retsenzent;
GOLYATKINA, A.G., red.

[Strength and wear-resistance of metallurgical equipment
parts] Prochnost' i iznosostoikost' detalei metallurgi-
cheskogo oborudovaniia. Moskva, Metallurgiia, 1965. 347 p.
(MIRA 18:8)